

**High Performance Power Line Filter for Medical Applications**

# HZ Series



**UL Recognized**  
**CSA Certified**  
**VDE Approved**



3EHZ1

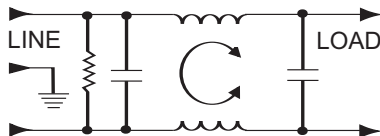
## HZ Series

The HZ series provides good performance for filtering in medical applications. The leakage current for this filter is extremely low due to the absence of the line-to-ground capacitors. The high inductance value allows good performance for both differential and common mode noise in a compact package.

The filter is compact and available with a 3 amp current rating. Moderately priced, this filter is a good alternative for medical applications where additional protection is needed.

For more information on UL544, see Appendix C.

## Electrical Schematic



Resistor location for reference only.

## Specifications

### Maximum leakage current, each line-to-ground

@ 120 VAC 60 Hz:	2μA
@ 250 VAC 50 Hz:	5μA

### Hipot rating (one minute):

line-to-ground	2250 VDC
line-to-line	1450 VDC

### Operating frequency:

50/60 Hz

### Rated voltage (max.):

250 VAC

### Rated current:

3EHZ	3A
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### Minimum insertion loss in dB:

Line-to-ground in 50 ohm circuit

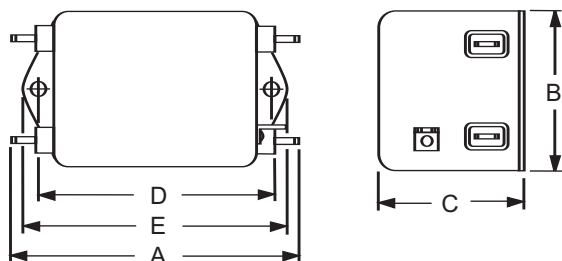
Current Rating	Frequency-MHz							
	.01	.05	.15	.5	1	5	10	30
3EHZ1	10	24	34	34	35	15	10	5

Line-to-line in 50 ohm circuit

Current Rating	Frequency-MHz							
	.03	.05	.15	.5	1	5	10	30
3EHZ1	10	25	54	70	70	65	55	55

# HZ Series

## Case Style HZ1



Typical dimensions:

Terminals: .250 [6.35] (5) Holes: .07 [1.8] Dia. (4)  
Mounting Holes: .188 [4.78] Dia. (2) Slot: .07 x .16 [1.8 x 4.1]

## Case Dimensions

Part No.	A (max)	B (max)	C (max)	D $\pm .015$ $\pm .38$	E (max)
3EHZ1	3.54 89.9	2.08 52.8	1.31 33.3	2.938 74.63	3.35 85.1

## Part Number

3EHZ1